

**To:** Carey, Curtis[Carey.Curtis@epa.gov]  
**From:** Sanders, LaTonya  
**Sent:** Wed 5/14/2014 2:40:12 PM  
**Subject:** RE: ACTION: RE: Testing and sampling other location in Bridgeton besides the BMAC?

Thanks, Curtis.

I'll send this response.

**From:** Carey, Curtis  
**Sent:** Wednesday, May 14, 2014 9:11 AM  
**To:** Tapia, Cecilia; Field, Jeff; Hammerschmidt, Ron; Gravatt, Dan  
**Cc:** Hayes, Scott; Washburn, Ben; Campbell, Todd; Peterson, Mary; Sanders, LaTonya  
**Subject:** RE: ACTION: RE: Testing and sampling other location in Bridgeton besides the BMAC?

Thanks!

**From:** Tapia, Cecilia  
**Sent:** Wednesday, May 14, 2014 9:10 AM  
**To:** Field, Jeff; Carey, Curtis; Hammerschmidt, Ron; Gravatt, Dan  
**Cc:** Hayes, Scott; Washburn, Ben; Campbell, Todd; Peterson, Mary; Sanders, LaTonya  
**Subject:** RE: ACTION: RE: Testing and sampling other location in Bridgeton besides the BMAC?

Looks good/accurate.

*Thanks*

***Cecilia Tapia,***

*Director Superfund Division*

*U.S. Environmental Protection Agency*

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**From:** Field, Jeff

**Sent:** Wednesday, May 14, 2014 8:21 AM

**To:** Carey, Curtis; Tapia, Cecilia; Hammerschmidt, Ron; Gravatt, Dan

**Cc:** Hayes, Scott; Washburn, Ben; Campbell, Todd; Peterson, Mary; Sanders, LaTonya

**Subject:** RE: ACTION: RE: Testing and sampling other location in Bridgeton besides the BMAC?

Looks ok to me.

**From:** Carey, Curtis

**Sent:** Wednesday, May 14, 2014 8:18 AM

**To:** Tapia, Cecilia; Hammerschmidt, Ron; Gravatt, Dan

**Cc:** Hayes, Scott; Washburn, Ben; Field, Jeff; Campbell, Todd; Peterson, Mary; Sanders, LaTonya

**Subject:** RE: ACTION: RE: Testing and sampling other location in Bridgeton besides the BMAC?

Following up on this: Need your concurrence ASAP so LaTonya can respond to Congressman Clay's office.

EPA has no validated information indicating the need to screen for radiation outside of the West Lake Landfill site. We are undertaking a screening of BMAC to allay public concerns at that heavily used recreation complex. The screening methods EPA will use there have been employed at many sites across the country and are supported by research and documented procedures. Soil sampling will also be performed at BMAC to confirm the screening results. In their 2005 Record of Decision the U.S. Army Corps of Engineers cited extensive Department of Energy sampling of the haul roads. None of the samples collected exhibited radionuclide concentrations exceeding the proposed surface and subsurface soil remediation goals identified in the ROD. Soil sampling conducted by MDNR in 2005 in the ditches and shoulders along Boenker Lane and Taussig Road for radium, thorium and uranium did not identify any high concentrations of these radionuclides. With regard to screening haul roads, they remain under the purview of the USACE FUSRAP program.

**From:** Carey, Curtis

**Sent:** Tuesday, May 13, 2014 9:47 AM

**To:** Tapia, Cecilia; Hammerschmidt, Ron; Gravatt, Dan

**Cc:** Hayes, Scott; Washburn, Ben; Field, Jeff; Campbell, Todd; Peterson, Mary; Sanders, LaTonya

**Subject:** ACTION: RE: Testing and sampling other location in Bridgeton besides the BMAC?

Cecilia and Ron,

We have an inquiry from Congressman Clay's office regarding why we are not planning to screen the ditches around BMAC. Below is the draft response for this type of question. It does need a further technical review and specifically need Dan to provide additional details on the second yellow highlighted section. This is based on an earlier email from him.

We should respond to the congressional today.

●■■■■■■■■ EPA has no validated information indicating the need to screen for radiation outside of the West Lake Landfill site. We are undertaking a screening of BMAC to allay public concerns at that heavily used recreation complex. The screening procedures EPA will use there

has been employed at many sites across the country and is supported by research and documented procedures. Soil sampling will also be performed at BMAC to confirm the screening results. With regard to screening haul roads, they remain under the purview of the USACE FUSRAP program [PLEASE CONFIRM THIS IS CORRECT] and have previously been exhaustively tested for radiation. Regarding a ditch at BMAC where local residents using donated equipment reported finding "radiation", even if the information they provided is accurate the radiation levels are not elevated enough to present any health risk. Reportedly, the highest concentration of gamma-emitting radionuclides in their soil samples works out to 5.13 pCi/g. For reference, the cleanup standard in the SFS for Th and Ra was set at 5 pCi/g plus background [DAN, PLEASE TOTAL THESE TWO SO WE HAVE A TOTAL. RIGHT NOW FOR THE LAY PERSON IT WOULD LOOK LIKE 5.13 IS ABOVE 5 AND THEREFORE REQUIRES REMEDIATION].

Thanks,

Curtis

**From:** Carey, Curtis

**Sent:** Monday, May 12, 2014 10:50 AM

**To:** Tapia, Cecilia; Brooks, Karl; Hague, Mark; Hammerschmidt, Ron

**Cc:** Hayes, Scott; Washburn, Ben; Field, Jeff; Campbell, Todd; Peterson, Mary; Gravatt, Dan

**Subject:** RE: Testing and sampling other location in Bridgeton besides the BMAC?

Here's a draft for review.

●■■■■■■■■ EPA has no validated information indicating the need to screen for radiation outside of the West Lake Landfill site. We are undertaking a screening of BMAC to allay public concerns at that heavily used recreation complex. The screening procedures EPA will use there has been employed at many sites across the country and is supported by research and documented procedures. Soil sampling will also be performed at BMAC to confirm the screening results. With regard to screening haul roads, they remain under the purview of the USACE FUSRAP program [PLEASE CONFIRM THIS IS CORRECT] and have previously been exhaustively tested for radiation. Regarding a ditch at BMAC where local residents using donated equipment reported finding "radiation", even if the information they provided is

accurate the radiation levels are elevated enough to present any health risk. Reportedly, the highest concentration of gamma-emitting radionuclides in their soil samples works out to 5.13 pCi/g. For reference, the cleanup standard in the SFS for Th and Ra was set at 5 pCi/g plus background [DAN, PLEASE TOTAL THESE TWO SO WE HAVE A TOTAL. RIGHT NOW FOR THE LAY PERSON IT WOULD LOOK LIKE 5.13 IS ABOVE 5 AND THEREFORE REQUIRES REMEDIATION].

**From:** Tapia, Cecilia

**Sent:** Friday, May 09, 2014 2:48 PM

**To:** Carey, Curtis; Brooks, Karl; Hague, Mark

**Cc:** Hammerschmidt, Ron; Hayes, Scott; Washburn, Ben; Field, Jeff; Campbell, Todd

**Subject:** RE: Testing and sampling other location in Bridgeton besides the BMAC?

The haul roads investigation occurred as part of the SLAP sites which fall under USACE jurisdiction under the FUSRAP program. USACE is the lead Agency in this case not EPA so they are the entity that need to respond.

Regarding screening other sites, our message was that there is no information to lead us to believe that there would be contamination emanating from the WL site or the haul roads. We agreed to screen the BMAC to provide some surety to the community since the complex is widely used by children.

You guys can tweak the above.

**From:** Carey, Curtis  
**Sent:** Friday, May 09, 2014 2:41 PM  
**To:** Tapia, Cecilia; Brooks, Karl; Hague, Mark  
**Cc:** Hammerschmidt, Ron; Hayes, Scott; Washburn, Ben; Field, Jeff; Campbell, Todd  
**Subject:** RE: Testing and sampling other location in Bridgeton besides the BMAC?

Hi Cecilia,

We'll help. In this case I'll need some information from you in advance. How have we managed previous requests to do additional screening at similar sites? Below is how we're responding to questions regarding screening along the haul roads.

•□□□□□□□ Simple explan of why not screen 'haul roads'

The suspected haul roads have been extensively sampled and have not shown levels of concern. In addition, the haul roads are under the purview of the FUSRAP program and are not part of the NPL site.

**From:** Tapia, Cecilia  
**Sent:** Friday, May 09, 2014 10:58 AM  
**To:** Brooks, Karl; Hague, Mark; Carey, Curtis  
**Cc:** Hammerschmidt, Ron; Hayes, Scott; Washburn, Ben; Field, Jeff; Campbell, Todd  
**Subject:** FW: Testing and sampling other location in Bridgeton besides the BMAC?

Curtis do you guys want to start working on a response ?

**From:** Johnson, James  
**Sent:** Friday, May 09, 2014 10:19 AM  
**To:** Peterson, Mary; Tapia, Cecilia  
**Cc:** Campbell, Todd  
**Subject:** Testing and sampling other location in Bridgeton besides the BMAC?

Mary, as we discussed yesterday, the questions have started about testing other sites (Fire stations) than just the BMAC.

Robertson Fire protection District, Maynard Howell, Assistant Chief, Cell 314.575 5011:  
Stopped by EPA trailer and asked us to test his fire station (i.e. if we are sampling BMAC, why can't we sample fire station to assure haz mat responders that they are safe), since we do technically have a trailer on their property. We can discuss more later.